

BEAM POWER TUBE 7-PIN MINIATURE TYPE

GENERAL DATA	
Electrical:	
Heater, for Unipotential Cathode: Voltage (AC or DC)	10% volts amp
Grid No.1 to plate 0.6 Grid No.1 to cathode & grid No.3,	μμf
grid No.2, and heater	$\mu\mu$ f
grid No.2, and heater 8.5	μμf
Mechanical:	
Operating Position	. 2-5/8" . 2-3/8" 2" ± 3/32" to 0.750" al Section T5-1/2
Pin 1 - Cathode, Grid No.3 Pin 2 - Grid No.1 Pin 3 - Heater Pin 1 - Cathode, Pin 4 - H Pin 5 - G Pin 6 - G Pin 7 - P	rid No.1 rid No.2
AMPLIFIER - Class A	
Maximum Ratings, Design-Maximum Values:	
GRID-No.2 (SCREEN-GRID) VOLTAGE 130 m GRID-No.1 (CONTROL-GRID) VOLTAGE 0 m GRID-No.2 INPUT 1.4 m	max. volts max. volts max. volts max. watts max. watts
Heater negative with respect to cathode 200 m Heater positive with respect to cathode 200 m	max. volts
BULB TEMPERATURE (At hottest point on bulb surface)	ax. oc
on bulb surface) , 220 m	ax. °C





BEAM POWER TUBE

Typical Operation and Characteristics:	İ
Plate Voltage	volts
Grid-No.2 Voltage	volts
Grid-No.1 Voltage8	volts
Peak AF Grid-No.1 Voltage 8	volts
Zero-Signal Plate Current 49	ma
MaxSignal Plate Current 50	ma
Zero-Signal Grid-No.2 Current 4	ma
Max.—Signal Grid—No.2 Current 8.5	ma
Plate Resistance (Approx.) 10000	ohms
Transconductance 7500	<i>µ</i> mhos ∣
Load Resistance 2500	ohms
Total Harmonic Distortion 10	%
MaxSignal Power Output 2.3	watts
Mayimum Circuit Values	ł

Maximum Circuit Values:

Grid-No.1-Circuit Resistance:
For fixed-bias operation 0.1 max. megohm
For cathode-bias operation 0.5 max. megohm

NOTE: Except for a different basing arrangement, which simplifies the problem of meeting Underwriters' Laboratories requirements in the design of ac/dc receivers, the 50C5 is similar to the miniature type 50B5.

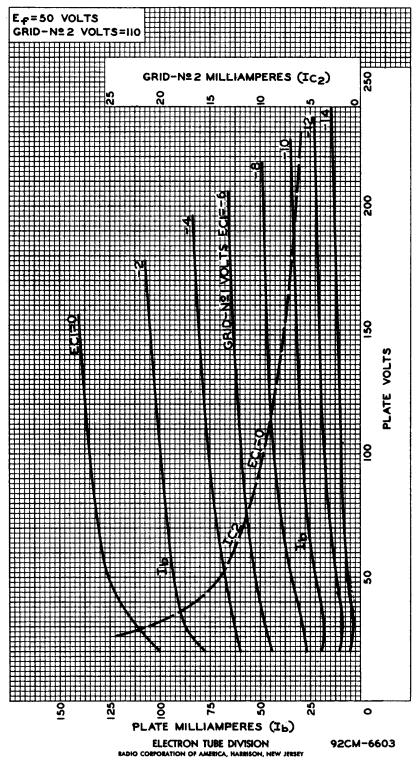
→ Indicates a change.

O Without external shield.

[▲] The dc component must not exceed 100 volts.



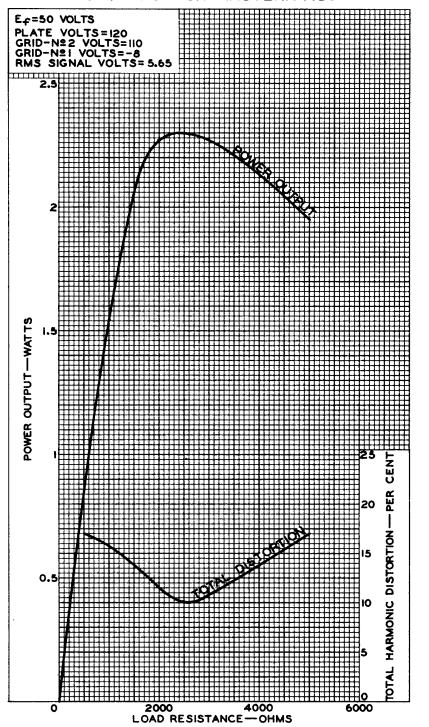
AVERAGE CHARACTERISTICS







OPERATION CHARACTERISTICS



ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-6612R1